INTRODUCTION TO IM

Session Length: 2, 3-hour sessions 8:00-11:00 AM, Aug. 8/9 Consulting Available 12:00-3:00 PM

District IM Platform: Imagine Learning

Teachers will have: Manuals, student workbooks, and prepared centers.

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Time		Description	Materials	Physical Materials
8:00 -8:30		Welcome and Opening General participation reminders Act 48 Restroom/phone/food Slidedeck access Kickoff question discussion: What do you already know about IM? Gallery rotation: Curriculum design Instructional routines/activities Mathematics Strategies and Modeling What/how' to assess Hesitations about the curriculum Questions you have	Slide deck Teacher note sheet	District can provide: Poster paper Poster markers Sticky notes Sharpies Copies of teacher notes sheet *Please let me know if I need to stop and pick these up to bring U
8:30 -8:45	1	About IM - Curriculum design principles - Scope & Sequence Rationales/Story of each grade level - Direct teachers to create a "quick" scope and sequence of their year. Dates/time optional. The goal is to familiarize teachers with the big picture. *Base this discussion off of what teachers already learned during their IM specific training the previous day.	Scope & Sequence Dependency Chart Blank Curriculum Template *Optional for if a teacher wants to use it. All teachers will eventually complete the framework as a district requirement. Stories of the Grade Levels IM Design	Printed copies of documents for teachers. Not necessary, but always appreciated!

		Invitation to the mathematics of	
2	Typical lesson flow overview: 1. Learning goal & welcome 2. Warm-up 3. Instructional activities 4. Lesson synthesis 5. Cool-down (AKA: Exit ticket) "When do we PRACTICE? There aren't enough PROBLEMS!? - Centers - Suggestions for organizing & storing - Solve the problem and show how you know "What about homework?" - Research summary NCTM - HW philosophy - Organically generated questions (both mathematical and not) - Use exit tickets - Math games - BRIEF 1-3 problems	NCTM Homework Efficacy Research Brief	
3	Warm-Up Instructional Routines - Notice & Wonder - Which one doesn't belong? - Problem strings (Number Talk) *Facilitate one of each with teachers.	Math Talks/Congress Planning Template	
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		Provide planning templates.						
10:30- 11:00		Summary & Wrap-up • Add questions to the parking lot						
Day 1 End								
8:00 -9:00	4	Facilitating a rich task (pt 1) • Teachers complete a rich task in randomly selected small groups and showcase their work on poster paper • Facilitate a math congress to consolidate teacher work	Slide deck cont.	Poster paper Poster markers Pencils Scratch paper *Teresa will bring white boards/markers/erasers				
9:00 -10:30	6	5 Practices for Facilitating a Productive Math Discussion • Summarize 5 practices with parallels to what we did in the rich task together	Math Talks/Congress Planning Template Using the 5 Practices to Orchestrate Productive Math Discussions Summary #1 5 Practices to Orchestrate Productive Math Discussions Summary #2 Funneling vs Focusing Questions Summary Book purchase link	Student work samples (pp. 7-8) * Print one set per group				
10:30 -11:00		 W.I.N. Wrap up addressing teacher's questions/immediate needs Survey teachers to determine needs moving forward. 						

Citations: